

6210-000005/US
Drawing Requirements
NEP due 7-20-2005



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NUMBER	2035 FILING DATE	FIRST NAME APPLICANT	ATTORNEY DOCKET NUMBER
10/041699	01/08/2002	Thad Heckman	6210-000005

Bryan K. Wheelock
Harness, Dickey & Pierce, P.L.C.
Suite 400
7700 Bonhomme
St. Louis MI 63105

RECEIVED
MAY 26 2005

Examiner: Nguyen, Sang

Art Unit
2877

Sheet No.

HARNES, DICKEY & PIERCE
ST. LOUIS, MISSOURI

Date Mailed: May 20, 2005

Notice Regarding Drawings

Corrected drawings for the above-identified application, received in the USPTO on **June 5, 2002** still not acceptable for the reason(s) identified on the attached PTO-948. Applicant is given one opportunity to correct the informalities within a two-month time period from the mailing date of this Notice. **THIS TIME PERIOD IS NOT EXTENDABLE UNDER EITHER 37 CFR 1.136(a) OR 1.136(b).** Failure to take corrective action within the set period will result in abandonment of the application.

ATTACHMENT: PTO-948 Notice of Draftsperson's Patent Review

WJ

RETURN CORRECTED DRAWINGS TO:
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

EV 726253995 US

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 6/5/02 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

☐ Color drawings are not acceptable until petition is granted. Fig(s) _____
☐ Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(b)

☐ One (1) full-tone set is required. Fig(s) _____
☐ Photographs may not be mounted. 37 CFR 1.84(e)
☐ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____
☐ Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)

☐ Paper not flexible, strong, white, and durable. Fig(s) _____
☐ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

☐ 21.0 cm by 29.7 cm (DIN size A4) or
☐ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
☐ All drawing sheets not the same size. Sheet(s) _____

☐ Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

☐ Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
☐ Margins not acceptable. Fig(s) _____
☐ Top (T) _____ Left (L) _____
☐ Right (R) _____ Bottom (B) _____

6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

☐ Views not labeled separately or properly. Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

☐ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

☐ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 1-7A

11. SHADING. 37 CFR 1.84(m)

☐ Solid black areas pale. Fig(s) _____
☐ Solid black shading not permitted. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

☐ Numbers and reference characters not plain and legible. Fig(s) _____
☒ Figure legends are poor. Fig(s) 1-7A
☐ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
☐ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
☐ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

☐ Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)

☐ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. DESIGN DRAWINGS. 37 CFR 1.152

☐ Surface shading shown not appropriate. Fig(s) _____
☐ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____

COMMENTS:

Borderlines around fig dy (Fig 1-7A)

Reviewer WFS

If you have questions, call (703) 305-8404.

Date 6/20/05

Attachment to Paper No. _____

06-06-05

IFW

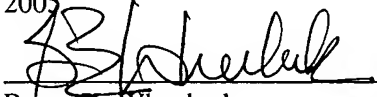


PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Certificate of Mailing

I hereby certify that this correspondence and the documents referred to therein are being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on this 3rd day of June, 2005


Bryan K. Wheelock
Registration No. 31,441

Application No.: 10/041,699
Filing Date: January 8, 2002
Applicant: Thad Heckman
Group Art Unit: 2877
Examiner: Sang H. Nguyen
Title: Apparatus and Method for Showing Contour Lines in Modeling
Attorney Docket: 6210-000005

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO NOTICE REGARDING DRAWINGS

Sir:

In response to the Notice Regarding Drawings mailed May 20, 2005 (a copy of which is enclosed), Applicant responds as follows.

The original application filed on January 18, 2002 included a set of informal drawings. Applicant submitted a set of formal drawings on June 5, 2005 along with the Response to Notice to File Missing Parts. Applicant received a Notice of Allowance dated January 28, 2005, which included a Notice of

Serial No. 10/041,699

EV 726253995 US

Allowability stating that the drawings submitted on June 5, 2002 were acceptable. Applicant then paid the Issue Fee on April 27, 2005. Subsequently, Applicant received the Notice Regarding Drawings dated May 20, 2005 stating that the drawings submitted on June 5, 2002 are unacceptable and granting the Applicant until July 20, 2005 to respond.

The paralegal for the undersigned, Maggie McClane, called and spoke to Clifton Randolph of the Draftsman's Office on June 2, 2005. Mr. Randolph reviewed the scanned drawings and advised that they were very difficult to see. He suggested that we re-submit a clean copy of the formal drawings within the time period allowed.

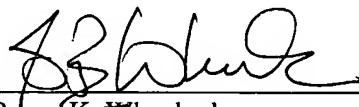
Therefore, Applicant submits herewith a clean copy of the formal drawings, (9 sheets) Figs. 1-7a, for this matter as previously submitted on June 5, 2002. Applicant believes these drawings to be in compliance with the drawings requirements of the U.S. Patent Office.

Applicant respectfully submits that upon entry of the enclosed formal drawings, the patent will be found to be in condition for printing. If it would advance the prosecution of this application, the Examiner is invited to telephone the undersigned at (314) 726-7505, or his paralegal, Maggie McClane, at (314) 726-7507.

Respectfully submitted,

Dated: 3 JUNE 2005

By: _____


Bryan K. Wheelock
Registration No. 31,441

HARNESS, DICKEY & PIERCE, P.L.C.
7700 Bonhomme, Suite 400
St. Louis, Missouri 63105
(314) 726-7500